



Pse

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DAT

\_LII

CODI

\_LII

SRM'

VV VV EEEEEEEEEE CCCCCCCCCC MM MM AAAAAAA PPPPPPPP RRRRRRRR EEEEEEEEEE GGGGGGGGG  
 VV VV EEEEEEEEEE CCCCCCCCCC MM MM AAAAAAA PPPPPPPP RRRRRRRR EEEEEEEEEE GGGGGGGGG  
 VV VV EE CC MMMM MMMM AA AA PP PP RR RR EE GG  
 VV VV EE CC MMMM MMMM AA AA PP PP RR RR EE GG  
 VV VV EE CC MM MM AA AA PP PP RR RR EE GG  
 VV VV EE CC MM MM AA AA PP PP RR RR EE GG  
 VV VV EEEEEEEEEE CC MM MM AA AA PPPPPPPP RRRRRRRR EEEEEEEEEE GG  
 VV VV EEEEEEEEEE CC MM MM AA AA PPPPPPPP RRRRRRRR EEEEEEEEEE GG  
 VV VV EE CC MM MM AAAAAAAA AA PP RR RR EE GG GGGGGGG  
 VV VV EE CC MM MM AA AA PP RR RR EE GG GGGGGGG  
 VV VV EEEEEEEEEE CCCCCCCCCC MM MM AA AA PP RR RR EEEEEEEEEE GGGGGGG  
 VV VV EEEEEEEEEE CCCCCCCCCC MM MM AA AA PP RR RR EEEEEEEEEE GGGGGGG

LL IIIII SSSSSSS  
 LL IIIII SSSSSSS  
 LL II SS  
 LL II SS  
 LL II SS  
 LL II SSSSS  
 LL II SSSSS  
 LL II SS  
 LL II SS  
 LL II SS  
 LLLLLLLL IIIII SSSSSSS SSSSSSS

```
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0002 C Version: 'V04-000'
0003 C
0004 C*****
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0023 C*
0024 C*
0025 C*****
0026 C
0027 C
0028 C Author Brian Porter Creation Date 01-SEP-1981
0029 C
0030 C++
0031 C Functional description:
0032 C
0033 C This module displays the CRB longword VEC$L_MAPREG.
0034 C
0035 C Modified by:
0036 C
0037 C V03-002 SAR0193 Sharon A. Reynolds, 20-Feb-1984
0038 C Added an SYE update that verifies that there is mapping
0039 C information to be translated.
0040 C
0041 C V03-001 SAR0108 Sharon A. Reynolds, 20-Jun-1983
0042 C Changed the carriage control in the 'format' statements
0043 C for use with ERF.
0044 C
0045 C v02-001 BP0001 Brian Porter. 05-NOV-1981
0046 C Added direct datapath filter.
0047 C**
0048 C--
0049 C
0050 C
0051 C
0052 C
0053 C subroutine vecmapreg (lun,vec$l_mapreg)
0054 C
0055 C
0056 C
0057 C byte lun
```

```
0058      integer*4      vec$1_mapreg
0059      integer*4      field
0060      integer*4      compress4
0061      character*31    vec$1v_maplock(15:15)
0062
0063      data           vec$1v_maplock(15)
0064      1 /'"MPR"(S) PERMANENTLY ALLOCATED'/
0065
0066      character*23    vec$1v_lwae(29:29)
0067
0068      data           vec$1v_lwae(29)
0069      1 /'LONGWORD ACCESS ENABLE'/
0070
0071      character*28    vec$1v_pathlock(31:31)
0072
0073      data           vec$1v_pathlock(31)
0074      1 /'"BDP" PERMANENTLY ALLOCATED'/
0075
0076
0077
0078
0079
0080
0081
0082      call linchk (lun,4)
0083
0084      write(lun,75) 'MAPPING ALLOCATION INFORMATION'
0085      75      format('/',a)
0086
0087      write(lun,80) 'VEC$1_MAPREG',vec$1_mapreg
0088      80      format('/',t8,a,t24,z8.8)
0089
0090      If (vec$1_mapreg .NE. 0) then
0091
0092      field = lib$extzv(0,15,vec$1_mapreg)
0093
0094      call linchk (lun,1)
0095
0096      write(lun,85) ''MPR' #',field,': STARTING MAP REGISTER'
0097      85      format(' ',t40,a,i<compress4 (field)>,a)
0098
0099      call output (lun,vec$1_mapreg,vec$1v_maplock,15,15,15,'0')
0100
0101      field = lib$extzv(16,8,vec$1_mapreg)
0102
0103      call linchk (lun,1)
0104
0105      write(lun,90) field,': MAP REGISTER(S) ALLOCATED'
0106      90      format(' ',t40,i<compress4 (field)>,a)
0107
0108      field = lib$extzv(24,5,vec$1_mapreg)
0109
0110      call linchk (lun,1)
0111
0112      if (field .ne. 0) then
0113
0114      write(lun,95) 'DATAPATH #',field,': ALLOCATED'
```

Synt  
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SYS\$  
SYS\$

```

0115  95  format(' ',t40,a,i<compress4 (field)>,a)
0116  else
0117
0118 100  write(lun,100) 'DIRECT DATAPATH'
0119  format(' ',t40,a)
0120  endif
0121
0122  call output (lun,vec$l_mapreg,vec$v_lwae,29,29,29,'0')
0123
0124  call output (lun,vec$l_mapreg,vec$v_pathlock,31,31,31,'0')
0125  Endif
0126
0127  return
0128
0129  end

```

## PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	508	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	244	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	432	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
Total Space Allocated	1184	

## ENTRY POINTS

Address	Type	Name
0-00000000		VECMAPREG

## VARIABLES

Address	Type	Name	Address	Type	Name	Address	Type	Name
2-00000054	I*4	FIELD	AP-000000040	L*1	LUN	AP-000000080	I*4	VEC\$L_MAPREG

## ARRAYS

Address	Type	Name	Bytes	Dimensions
2-0000001F	CHAR	VEC\$V_LWAE	23	(29:29)
2-0C0000000	CHAR	VEC\$V_MAPLOCK	31	(15:15)
2-00000036	CHAR	VEC\$V_PATHLOCK	28	(31:31)

## LABELS

Address	Label										
1-000000B1	75'	1-000000B7	80'	1-000000C4	85'	1-000000D2	90'	1-000000DF	95'	1-000000ED	100'

Va  
--  
80  
80

## FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name	Type	Name
I*4	COMPRESS4	I*4	LIB\$EXTZV		LINCHK		OUTPUT

## COMMAND QUALIFIERS

```
FORTRAN /LIS=LISS:VECMAPREG/OBJ=OBJ$:VECMAPREG MSRC$:VECMAPREG  
/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)  
/DEBUG=(NOSYMBOLS,TRACEBACK)  
/STANDARD=(NOSYNTAX,NOSOURCE FORM)  
/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)  
/F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19
```

## COMPILE STATISTICS

Run Time:	1.87 seconds
Elapsed Time:	7.43 seconds
Page Faults:	101
Dynamic Memory:	170 pages

0155 AH-BT13A-SE  
VAX/VMS V4.0

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